Gene expression studies indicated that KLE-4 is involved in the regulation of cellular proliferation and differentiation. KLE-4 is a member of the KLF family of transcription factors, which are known to play a role in the regulation of cell growth and apoptosis.

Further studies have shown that KLE-4 expression is upregulated in response to cellular stress, such as oxidative stress or DNA damage. These findings suggest a potential role for KLE-4 in the regulation of cellular responses to stress.

In conclusion, the study of KLE-4 expression and function provides insights into the regulation of cellular proliferation and differentiation. Further research is needed to fully understand the physiological roles of KLE-4 in various cellular contexts.